

**What is claimed is:**

1. A coaxial connector assembly comprising:
  - (a) an adapter including:
    - (1) a first and a second end,
    - (2) a center conductor and a first outer conductive shell at each end;

wherein the center conductors of each end are electrically connected and the first outer conductive shells of each end are electrically connected, and the center conductors are electrically isolated from the first outer conductive shells;

(b) a first cable connector mounted to the first end of the adapter, the first cable connector including a first end and a second end, the second end of the first cable connector adapted to engage the first end of the adapter and the first end of the first shell assembly adapted to mate with a first coaxial cable connector;

(c) a second cable connector mounted to the second end of the adapter, the second cable connector including a first end and a second end, the second end of the second cable connector adapted to engage the second end of the adapter and the first end of the second cable connector adapted to mate with a second coaxial cable connector.
  2. The coaxial connector assembly of claim 1, wherein the first end of each of the first and second connector ends defines one of a plurality of genders and one of a plurality of styles.
  3. The coaxial connector assembly of claim 2, wherein the plurality of genders includes male and female.
  4. The coaxial connector assembly of claim 2, wherein the plurality of styles includes U.S., BBC, and Global.
  5. The coaxial connector assembly of claim 2, wherein the first end of the first cable connector defines a different gender and a different style than the first end of the second cable connector.

6. The coaxial connector assembly of claim 2, wherein the first end of the first cable connector defines a different gender and the same style as the first end of the second cable connector.
7. The coaxial connector assembly of claim 2, wherein the first end of the first cable connector defines the same gender and the same style as the first end of the second cable connector.
8. The coaxial connector assembly of claim 1, wherein the first cable connector is threadably mounted to the first end of the adapter.
9. The coaxial connector assembly of claim 1, wherein the second cable connector is threadably mounted to the second end of the adapter.
10. A coaxial connector assembly comprising:
  - (a) an adapter including:
    - (1) a first and a second end,
    - (2) a center conductor and a first outer conductive shell at each end;

wherein the center conductors of each end are electrically connected and the first outer conductive shells of each end are electrically connected, and the center conductors are electrically isolated from the first outer conductive shells;

  - (b) a first cable connector removably mounted to the adapter about the first outer conductive shell at the first end of the adapter, the first cable connector including:
    - (1) a first center conductor electrically connected to the center conductor of the first end of the adapter;
    - (2) a first conductive front shell electrically connected to the first outer conductive shell of the first end of the adapter;

(3) a first insulator mounted between and electrically isolating the first center conductor and the first conductive front shell;

the first cable connector including a first end and a second end, the second end of the first cable connector adapted to releasably engage the first end of the adapter and the first end of the first cable connector adapted to mate with a first coaxial connector;

(c) a second cable connector removably mounted to the adapter about the first outer conductive shell at the second end of the adapter, the second cable connector including:

(1) a second center conductor electrically connected to the center conductor of the second end of the adapter;

(2) a second conductive front shell electrically connected to the first outer conductive shell of the second end of the adapter;

(3) a second insulator mounted between and electrically isolating the second center conductor and the second conductive front shell;

the second cable connector including a first end and a second end, the second end of the second cable connector adapted to releasably engage the second end of the adapter and the first end of the second cable connector adapted to mate with a first coaxial connector.

11. The coaxial connector assembly of claim 10, further comprising a first conductive outer body releasably mounted to the adapter about the first conductive front shell, with an insulator positioned between the first conductive outer body and the first conductive front shell; and

a second conductive outer body releasably mounted to the adapter about the second conductive front shell, with an insulator positioned between the second conductive outer body and the second conductive front shell;

wherein the first and second conductive outer bodies are electrically connected to each other.

12. The coaxial connector assembly of claim 11, wherein the first conductive outer body, the first conductive front shell and the first center conductor cooperatively define a first triaxial mating end of a first gender and a first style adapted to mate with a first triaxial connector, and the second conductive outer body, the second conductive front shell and the second center conductor cooperatively define a second triaxial mating end with a second gender and a second style adapted to mate with a second triaxial connector.
13. The coaxial connector assembly of claim 12, wherein the first mating end is the same format and the same gender as the second mating end.
14. The coaxial connector assembly of claim 12, wherein the first mating end is the same format and a different gender as the second mating end.
15. The coaxial connector assembly of claim 12, wherein the first mating end is a different format and the same gender as the second mating end.
16. The coaxial connector assembly of claim 12, wherein the first mating end is a different format and a different gender as the second mating end.
17. The coaxial connector assembly of claim 12, wherein the first conductive outer body, the first conductive front shell and the first center conductor may be removed and replaced with a third conductive outer body, a third conductive front shell and a third center conductor to define a third mating end with the same format and a different gender as the first end.
18. The coaxial connector assembly of claim 12, wherein the first conductive outer body, the first conductive front shell and the first center conductor may be removed and replaced with a third conductive outer body, a third conductive front shell and a third center conductor to define a third mating end with a different format and the same gender as the first end.

19. The coaxial connector assembly of claim 12, wherein the first conductive outer body, the first conductive front shell and the first center conductor may be removed and replaced with a third conductive outer body, a third conductive front shell and a third center conductor define a third mating end with a different format and a different gender as the first end.

20. The coaxial connector assembly of claim 12, wherein the format of the first end and the format of the second end are one of a global standard format, a U.S. standard format and a BBC standard format.

21. A coaxial connector adapter comprising:

a central housing defining a central axial opening with a first end and a second end, an outer portion of the central housing proximate each end threaded to receive a conductive outer body;

an outer insulator mounted within the central axial opening of the central housing;

a first conductive shell extending through the outer insulator beyond the first and second ends of the central housing, the first conductive shell including a first end and a second end each threaded to receive a shell assembly, and the outer insulator electrically isolating the first conductive shell from the central housing;

an inner insulator mounted within the central axial opening of the central housing; and

a center conductor extending between the first and second ends of the central housing through the central axial opening mounted within the inner insulator.

22. The coaxial connector adapter of claim 21, wherein the first conductive outer shell is formed of two parts, one part inserted through each of the first and second ends.

23. The coaxial connector of claim 22, wherein the inner insulator is formed of two parts, and one inner insulator part is mounted within each of the parts of the outer conductive shell.

24. The coaxial connector adapter of claim 21, wherein the outer insulator is formed of two parts, one part inserted through each of the first and second ends.
25. A triaxial cable connector system comprising:
- (a) an adapter with first and second ends;
  - (b) a first cable connector selectively releasably mounted to the first end of the adapter, the first cable connector including:
    - (1) a front shell assembly including a conductive front shell and a center conductor mounted within and electrically isolated from the conductive front shell by a center conductor insulator;
    - (2) an outer insulator positioned about the front shell assembly;
    - (3) a conductive outer body positioned about the outer insulator and electrically isolated from the front shell assembly;
- wherein the first cable connector defines a first connector gender and style;
- (c) a second cable connector selectively releasably mounted to the second end of the adapter, the second cable connector including:
    - (1) a front shell assembly including a conductive front shell and a center conductor mounted within and electrically isolated from the conductive front shell by a center conductor insulator;
    - (2) an outer insulator positioned about the front shell assembly;
    - (3) a conductive outer body positioned about the outer insulator and electrically isolated from the front shell assembly;
- wherein the second cable connector defines a second connector gender and style;
- (d) a third cable connector including:
    - (1) a front shell assembly including a conductive front shell and a center conductor mounted within and electrically isolated from the conductive front shell by a center conductor insulator;
    - (2) an outer insulator positioned about the front shell assembly;

(3) a conductive outer body positioned about the outer insulator and electrically isolated from the front shell assembly;

wherein the third cable connector defines a third connector gender and style;

wherein the center conductor of the first cable connector is electrically connected to center conductor of the second cable connector, the front shell of the first cable connector is electrically connected to the front shell of the second cable connector, and the conductive outer body of the first cable connector is electrically connected to the conductive outer body of the second cable connector; and

wherein either of the first or the second cable connector may be removed from the adapter and replaced with the third cable connector so that the center conductor of the third cable connector.

26. The triaxial cable connector system of claim 25, wherein the first, second and third cable connectors may define one of a male or a female gender.

27. The triaxial cable connector system of claim 25, wherein the first, second and third cable connectors may define one of a U.S., BBC, or a Global style.

28. The triaxial cable connector assembly of claim 25, wherein the first and second cable connectors define the same gender and different styles.

29. The triaxial cable connector assembly of claim 25, wherein the first and second cable connectors define different genders and the same style.

30. The triaxial cable connector assembly of claim 25, wherein the first and second cable connectors define different genders and different styles.

31. The triaxial cable connector assembly of claim 25, wherein the first and second cable connectors define the same gender and the same style.

32. The triaxial cable connector assembly of claim 25, wherein the third cable connector defines the same gender and a different style as the cable connector it replaces.
33. The triaxial cable connector assembly of claim 25, wherein the third cable connector defines a different gender and the same style as the cable connector it replaces.
34. The triaxial cable connector assembly of claim 25, wherein the third cable connector defines a different gender and a different style as the cable connector it replaces.
35. A method of assembling a triaxial cable connector adapter comprising:
  - providing an adapter housing with first and second ends;
  - selecting a first cable connector of a first gender selected from a plurality of genders and a first style selected from a plurality of styles;
  - mounting the first cable connector to the first end of the adapter housing;
  - selecting a second cable connector of a second gender selected from a plurality of genders and a second style selected from a plurality of styles; and
  - mounting the second cable connector to the second end of the adapter housing.
36. The method of claim 35, wherein the plurality of genders includes male and female.
37. The method of claim 35, wherein the plurality of styles includes U.S., BBC, and Global.